

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. Serial No.: 09/806,955

Group Art Unit: 1644

Filed: 07/11/2001

Examiner: Jamroz, M.

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Attorney Docket No.: 78104.023

Title: **TREATMENT OF INFLAMMATORY DISEASE**

**ABSTRACT**

The immunoglobulin heavy chain binding protein BiP(GRP78), or a fragment thereof, provides a reagent for indicating the presence of rheumatoid arthritis (RA). The protein used is a recombinant BiP(GRP78) having a defined sequence. A prognostic and/or diagnostic test for RA may be an ELISA or a Western Blot that utilizes the BiP(GRP78) protein or a fragment thereof. Also disclosed are a method of testing for RA using BiP(GRP78) or a cDNA sequence coding therefor. Further disclosed is a method of treating RA by administering the BiP(GRP78) protein or corresponding cDNA.